Abstract

Proton-conducting membrane and the use thereof

The present invention relates to a novel proton-conducting polymer membrane based on aromatic polyazoles which contain sulfonic acid groups and in which the sulfonic acid groups are covalently bound to the aromatic ring of the polymer and which can, owing to their excellent chemical and thermal properties, be used for a variety of purposes. Such materials are particularly useful for the production of polymer electrolyte membranes (PEMs) in PEM fuel cells.

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